SEP - 5 2001

K012180

SUMMARY

Legally Marketed Predicate Device Micronew™

Micronew™ is a translucent composite designed to yield high resistance to wear and abrasion and excellent polishing characteristics. The material is highly filled and designed for indirect or direct restorations.

Description of Applicant Device A-Wear™

A-Wear™ provides the dentist with a composite designed to yield high resistance to wear and abrasion and excellent polishing characteristics. In addition to these properties, A-Wear is highly translucent (opacity <40%). A- Wear™ is cured by heat and light and is designed to be used with high quality dentin/enamel adhesive systems.

Intended Uses of Applicant Device A-Wear™

A-Wear™ is intended for direct or indirect class III, IV, and V restorations and diastema closures. A-Wear™ is also intended for composite restorations bonded to tooth structure, metal, composite, fiber-reinforced substructure, and porcelain.

DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration
9200 Corporate Boulevard
Rockville MD 20850

SEP - 5 2001

Mr. Steven J. Duray
Manager of Technical Business Support Services
Bisco, Incorporated
1100 West Irving Park Road
Schaumburg, Illinois 60193

Re: K012180
Trade/Device Name: A-Wear
Regulation Number: 872.3690
Regulatory Class: II
Product Code: EBF
Dated: July 11, 2001
Received: July 12, 2001

Dear Mr. Duray:

We have reviewed your Section 510(k) notification of intent to market the device referenced above and we have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

If your device is classified (see above) into either class II (Special Controls) or class III (Premarket Approval), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 895. A substantially equivalent determination assumes compliance with the Current Good Manufacturing Practice requirements, as set forth in the Quality System Regulation (QS) for Medical Devices: General regulation (21 CFR Part 820) and that, through periodic QS inspections, the Food and Drug Administration (FDA) will verify such assumptions. Failure to comply with the GMP regulation may result in regulatory action. In addition, FDA may publish further announcements

concerning your device in the Federal Register. Please note: this response to your premarket notification submission does not affect any obligation you might have under sections 531 through 542 of the Act for devices under the Electronic Product Radiation Control provisions, or other Federal laws or regulations.

This letter will allow you to begin marketing your device as described in your 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801 and additionally 809.10 for in vitro diagnostic devices), please contact the Office of Compliance at (301) 594-4613. Additionally, for questions on the promotion and advertising of your device, please contact the Office of Compliance at (301) 594-4639. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR 807.97). Other general information on your responsibilities under the Act may be obtained from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its Internet address http://www.fda.gov/cdrh/dsma/dsmamain.html.

Sincerely yours,

Timothy A. Ulatowski
Director
Division of Dental, Infection Control
and General Hospital Devices
Office of Device Evaluation
Center for Devices and
Radiological Health

Enclosure

INDICATIONS FOR USE

510(k) Number (if known): K012180

Device Name: A-Wear™

Indications for Use:

1. Direct or indirect class III, IV, and V restorations.
2. Diastema closures.
3. Composite restorations bonded to tooth structure.
4. Composite restorations bonded to metal.
5. Composite restorations bonded to composite or fiber-reinforced substructure.
6. Composite restorations bonded to porcelain.
7. Direct or indirect veneers.

(PLEASE DO NOT WRITE BELOW THIS LINE - CONTINUE ON ANOTHER PAGE IF NEEDED)

Concurrence of CDRL, Office of Device Evaluation (ODE)

Prescription for Use X (Per 21 CFR 801.109) OR Over-The-Counter Use ____

(Optional Format 1-2-96)

(Division Sign-Off)
Division of Dental, Infection Control,
and General Hospital Devices
510(k) Number K012180